

ONTARIO MINISTRY OF ENVIRONMENT
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information on courses workshops & seminars

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Ministry
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Environment

Hon. William G. Newman,
Minister

Everett Biggs,
Deputy Minister

COURSE INFORMATION BROCHURE

Preface

The Training and Certification Section, Technical Services Branch, Ontario Ministry of the Environment is responsible for developing and conducting training and certification programs for personnel engaged in the protection and upgrading of the natural environment. By working in close co-operation with professional, industrial and government organizations, programs are designed to meet the needs of the staff in the field. As additional requirements are identified, new programs will be developed.



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TRAINING PHILOSOPHY

1. In general, programs offered by the Training and Certification Section employ the Behavioral Objective Approach to Training (BOAT), a method which states briefly and clearly what the performance of a trainee should be upon completion of a learning period. Each topic has laid-down objectives, which tell the trainee what he will have to know and do in order to successfully complete the course. At the same time they tell the instructor what he must teach, describe or demonstrate so that the trainee will reach his goal.
2. To verify successful completion, tests are given under conditions as near as possible to actual on-the-job working conditions. If the test requires an actual "hands-on" performance, the trainee will be tested accordingly.

SCOPE OF PROGRAM

3. Courses, workshops and seminars are offered annually between September and May. A course consists of lecture and discussion periods interspersed with audio visual presentations and other demonstrations. A workshop is a course which includes substantial "hands-on" participation during which the trainee receives practical training and errors are corrected on the spot. Seminars feature the presentation and discussion of papers on various aspects of a subject. Instructors and lecturers are personnel selected for their expertise in one or more course topics.
4. The program schedule is attached as Appendix 1. Certain courses are restricted to specific groups.

5. The program offered for the period of September 1974 to May 1975 consists of the following:

a. Basic Sewage Treatment Operation	Appendix 2
b. Basic Water Treatment Operation	Appendix 3
c. Activated Sludge Workshop	Appendix 4
d. Basic Gas Chlorination Workshop	Appendix 5
e. Surface Water Treatment Workshop	Appendix 6
f. Maintenance Gas Fitters Course	Appendix 7
g. Private Sewage Systems Course	Appendix 8
h. Control of Industrial Wastes in Municipalities	Appendix 9
i. Basic Water/Sewage Treatment Operations Course	Appendix 10
j. Soils Course	Appendix 11
k. Seminars as listed in the Course Schedule	Appendices 12-15

6. A description of each of the above is given in the appropriate appendix.

7. Pre-Course Study - On acceptance of an application by the Training and Certification Section, pre-course study material will be forwarded to each trainee. When a manual is provided for pre-course study the objectives to be attained will generally be shown for each topic.

8. Course Completion - The minimum average shown on the appropriate appendix must be attained for successful completion of the course.

GENERAL INFORMATION

9. Application Procedure - Requests for application forms, course schedule and other information should be forwarded to:

Registration Secretary
Training & Certification
Ministry of the Environment
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
Telephone: (416) 965-4726

Completed applications must be returned by the closing date shown on the Program Schedule, Appendix 1

10. Training Facilities - Courses in Toronto are normally held at the Ministry of the Environment Laboratory, Resources Road (near the intersection of Islington Avenue and Highway 401). A course outside Toronto will be held in suitable accommodation obtained specifically for that course.
11. Course Capacity - The capacity of each course, workshop and seminar is shown on the program schedule, attached as Appendix 1.
12. Accommodation - A list of suitable motels and hotels will be provided as part of the information package forwarded to each trainee prior to a course.
13. Dress - Casual

PROGRAM SCHEDULE

<u>Program (Capacity)</u>	<u>Dates</u>	<u>Location</u>	<u>Closing Date for Application</u>	<u>Remarks</u>
Waste Disposal Site Operators Seminar	(40) Oct. 1 - 3	Toronto	Aug. 15	MOE only
Basic Sewage Treatment Operation	(40) Oct. 7 - 11	Toronto	Aug. 30	
Ice Shelter Seminar	(40) Oct. 16 - 18	Bracebridge	Sept. 15	MOE only
Activated Sludge Workshop	(25) Oct. 28 Nov. 1	Toronto	Sept. 21	
Basic Gas Chlorination Workshop	(25) Nov. 4 - 8	Toronto	Oct. 1	
Waste Disposal Site Operators Seminar	(40) Nov. 13 - 15	Thunder Bay	Oct. 15	For Municipal and Private Operators
Basic Water Treatment Operation	(40) Nov. 18 - 22	Toronto	Oct. 7	
Control of Industrial Wastes	(40) Nov. 25 - 29	Toronto	Oct. 15	MOE only
Private Sewage Systems	(40) Dec. 2 - 6	Toronto	Oct. 21	MOE only
Activated Sludge Workshop	(25) Dec. 2 - 6	Toronto	Oct. 21	
Soils	(20) Dec. 9 - 13	To be determined	Nov. 1	MOE only. To be conducted by a Community College.
Surface Water Treatment Workshop	(25) Dec. 9 - 13	Toronto	Nov. 1	MOE only
Contingency Planning Seminar	(50) Jan 7 - 9	Toronto	Dec. 2	MOE only
Surface Water Treatment Workshop	(25) Jan 6 - 10	Toronto	Dec. 2	
Basic Gas Chlorination Workshop	(25) Jan 13 - 17	Toronto	Dec. 9	
Private Sewage Systems	(40) Jan 13 - 17	Toronto	Dec. 9	For Municipal and Health Unit Inspectors
Basic Sewage Treatment Operation	(40) Jan 20 - 24	Toronto	Dec. 15	
Waste Disposal Site Operators Seminar	(40) Jan 29 - 30	London	Dec. 15	For Municipal and Private Operators

<u>Program (Capacity)</u>	<u>Dates</u>	<u>Location</u>	<u>Closing Date for Application</u>	<u>Remarks</u>
Basic Water Treatment Operation	(40) Feb. 3 - 7	Toronto	Jan. 3	
Waste Disposal Site Operators Seminar	(40) Feb. 12 - 13	Barrie	Jan. 10	For Municipal and Private Operators.
Soils	(20) Feb. 17 - 21	To be determined	Jan. 10	MOE only. to be conducted at a Community College.
Activated Sludge Workshop	(25) Feb. 17 - 21	Toronto	Jan. 10	
Basic Water/Sewage Treatment Operation	(40) Feb. 24 - 28	Toronto	Jan. 17	MOE only
Basic Gas Chlorination Workshop	(25) Mar. 3 - 7	Toronto	Jan. 24	
Waste Disposal Site Operators Seminar	(40) Mar. 5 - 6	Sudbury	Jan. 24	For Municipal and Private Operators
1 Private Sewage Systems	(25) Mar. 17 - 21	Toronto	Jan. 31	MOE only.
Surface Water Treatment Workshop	(25) Mar. 17 - 21	Toronto	Jan. 31	
Waste Disposal Site Operators	(40) Mar. 25 - 26	Ottawa	Feb. 7	For Municipal and Private Operators
Activated Sludge Workshop	(25) Apr. 7 - 11	Toronto	Feb. 24	
Maintenance Gas Fitters	(40) Apr. 28 -	Toronto	Mar. 17	MOE only.

COURSE DESCRIPTIONBASIC SEWAGE TREATMENT OPERATION COURSE**PURPOSE:**

The Basic Sewage Treatment Operation Course is designed primarily to increase on the job efficiency of waste water treatment plant operators, but any interested individual may apply. The five-day program stresses "the need to know" rather than the "nice to know" of all processes associated with waste water treatment. This course is a prerequisite to more advanced courses including the Activated Sludge Workshop.

SCOPE:

The course covers the following topics:

- A. SEWAGE CHARACTERISTICS
- B. MICROBIOLOGY OF SEWAGE
- C. PRIMARY TREATMENT
- D. BASIC CONSIDERATIONS OF THE ACTIVATED SLUDGE PROCESS AND VARIATIONS
- E. DIGESTION OF SLUDGE
- F. SLUDGE HANDLING
- G. INDUSTRIAL WASTE
- H. CHLORINATION OF SEWAGE
- I. RECORDS AND BASIC LABORATORY TESTS
- J. PRACTICAL MATHEMATICS
- K. PLANT MAINTENANCE AND SAFETY

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this course, an applicant should:

- a. Review basic arithmetic (addition, multiplication, division, subtraction, percentages, and decimals) at the grade VIII level.
- b. Familiarize himself with the operations dealt with on the course.

PREREQUISITES:

None

PASSING GRADE:

70 percent

COURSE DESCRIPTIONBASIC WATER TREATMENT OPERATION COURSE**PURPOSE:**

The Basic Water Treatment Operation Course is designed primarily to increase on the job efficiency of water treatment plant operators; but any interested individual may apply. The five-day program stresses "the need to know" rather than the "nice to know" of all processes associated with water treatment. This course is a prerequisite to a more advanced course, the Surface Water Treatment Workshop.

SCOPE:

The Course covers the following topics:

- A. WATER QUALITY OBJECTIVES AND PUBLIC HEALTH SIGNIFICANCE
- B. GROUNDWATER SUPPLIES
- C. COAGULATION, FLOCCULATION AND SEDIMENTATION
- D. WATER FILTRATION
- E. EQUIPMENT MAINTENANCE
- F. CHLORINATION
- G. WATER BACTERIOLOGY
- H. SAFETY
- I. PRACTICAL MATHEMATICS
- J. RECORDS
- K. CARE, MAINTENANCE AND OPERATION OF A DISTRIBUTION SYSTEM

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this course, an applicant should:

- a. Review basic arithmetic (addition, multiplication, division, subtraction, percentages and decimals) at the Grade VIII level.
- b. Familiarize himself with the operations dealt with on the course.

PREREQUISITES:

None

PASSING GRADE:

70 percent

COURSE DESCRIPTIONACTIVATED SLUDGE WORKSHOP**PURPOSE:**

This five-day workshop is designed primarily to increase on the job efficiency of waste water treatment plant operators in laboratory analysis and interpretation of test results. It is specifically directed to operators engaged in the activated sludge process and stresses "the need to know" rather than the "nice to know".

SCOPE:

The workshop which includes considerable "hands-on" participation covers the following:

- A. ACTIVATED SLUDGE - GENERAL CONSIDERATIONS
- B. MICROSCOPIC EXAMINATION OF ACTIVATED SLUDGE
- C. DISSOLVED OXYGEN TESTS AND REQUIREMENTS
- D. SAMPLING
- E. INTERPRETATION OF ANALYTICAL RESULTS
- F. pH MEASUREMENT USING ELECTROMETRIC METHOD
- G. SETTLING TEST
- H. SUSPENDED AND VOLATILE SUSPENDED SOLIDS
- I. TOTAL SOLIDS AND TOTAL VOLATILE SOLIDS
- J. BOD TEST
- K. PHOSPHOROUS DETERMINATION

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this workshop an applicant should:

- a. Review basic arithmetic (addition, multiplication, division, subtraction, percentages, and decimals) at the Grade VIII level.
- b. Acquaint himself with the operations dealt with on the course.

PREREQUISITES:

Successful completion of:

- a. OWRC Basic, Intermediate and Senior Courses for Sewage Works Operators
or
- b. Ministry of the Environment Introduction to Waste Treatment Course
or
- c. Ministry of the Environment Basic Sewage Treatment Operation Course.

PASSING GRADE:

70 percent

COURSE DESCRIPTION

BASIC GAS CHLORINATION WORKSHOP

PURPOSE:

The Basic Gas Chlorination Workshop is designed primarily to increase on the job efficiency of water and waste treatment plant operators, but any interested individual may apply. The five day program stresses "the need to know" rather than the "nice to know".

SCOPE:

The Workshop which includes considerable "hands-on" participation covers the following topics:

- A. PURPOSES OF CHLORINATION AND QUALITY CONTROL
- B. TYPES OF CHLORINE FEEDERS AND THEIR USAGE
- C. CONTROL SYSTEMS
- D. PROPERTIES AND PHYSIOLOGICAL EFFECTS OF CHLORINE
- E. STORAGE AND HANDLING OF CHLORINE GAS CYLINDERS
- F. SAFETY
- G. CHLORINATION EQUIPMENT & COMPONENTS
- H. START-UP & SHUT-DOWN PROCEDURES
- I. GENERAL MAINTENANCE
- J. TROUBLE SHOOTING
- K. CHLORINATION LABORATORY TESTS

PRE-COURSE

FAMILIARIZATION:

When preparing to attend this workshop an applicant should:

- a. Review basic arithmetic (addition, multiplication, division, subtraction, percentages and decimals) at the Grade VIII level.
- b. Familiarize himself with the operations dealt with on the course.

PREREQUISITES:

None

PASSING GRADE:

70 percent

COURSE DESCRIPTIONSURFACE WATER TREATMENT WORKSHOP**PURPOSE:**

The Surface Water Treatment Workshop is designed primarily to increase on the job efficiency of water treatment plant operators. The five-day program stresses "the need to know" rather than the "nice to know" of all aspects associated with surface water treatment.

SCOPE:

The workshop which includes considerable "hands-on" participation covers the following topics:

- A. *BASIC WATER CHEMISTRY*
- B. *COAGULATION*
- C. *FILTRATION*
- D. *CHEMICAL DOSAGES*
- E. *TASTE & ODOUR CONTROL*
- F. *LABORATORY ANALYSES*

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this workshop an applicant should:

- a. Review basic arithmetic (addition, multiplication, division, subtraction, percentages, and decimals) at the Grade VIII level.
- b. Familiarize himself with the operations dealt with on the course.

PREREQUISITES:

Successful completion of:

- a. OWRC Basic, Intermediate & Senior Courses for Water Works Operators
or
- b. Ministry of the Environment Introduction to Water Treatment Course
or
- c. Ministry of the Environment Basic Water Treatment Operation Course

PASSING GRADE:

70 percent

COURSE DESCRIPTIONMAINTENANCE GAS FITTERS CERTIFICATE COURSE**PURPOSE:**

As required by the Energy Act 1971 and related Regulations, the five-day Maintenance Gas Fitters Certificate Course is designed to qualify personnel who operate and maintain the gas system in a sewage treatment plant.

SCOPE:

The course covers the following topics:

- A. DIGESTER MAINTENANCE
- B. DIGESTER GAS TRANSMISSION LINES
- C. CONTROL AND SAFETY EQUIPMENT
- D. BOILER AND BOILER CONTROL TRAIN

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this course, an applicant should familiarize himself with the operations dealt with on the course.

- a. Review the Energy Act 1971 and Regulations 253 and 255.
- b. Review the Gas Utilization Code Book, Regulations 254

PREREQUISITES:

The applicant must be engaged in the operation and maintenance of the gas system in a sewage plant.

PASSING GRADE:

A passing grade of 75 percent must be attained on a final test administered by the Energy Safety Branch of the Ministry of Consumer & Commercial Relations.

COURSE DESCRIPTION
PRIVATE SEWAGE SYSTEMS COURSE

PURPOSE:

The Private Sewage Systems Course of five-days duration, is designed to increase on the job efficiency of inspectors of land use proposals involving private sewage systems. It also stresses the need for a uniform standard in the application and interpretation of Part VII of the Environmental Protection Act 1971 and the related Regulation 229/74 Sewage Systems.

SCOPE:

The course covers the following topics:

- A. ACT AND REGULATIONS**
- B. CLASSES AND TYPES OF PRIVATE SEWAGE SYSTEMS**
- C. LAND USE CONTROL**
- D. ASSESSMENT OF LAND USE PROPOSALS INCLUDING FORMS AND PROCEDURES**
- E. SURVEYS AND ABATEMENT**

PRE-COURSE

FAMILIARIZATION:

When preparing to attend the course, an applicant should:

- a. Review the Environmental Protection Act 1971 (in particular Part VII) and Regulation 229/74 Sewage Systems.**
- b. Acquaint himself with the operations related to the assessment of land use proposals and inspection of private sewage systems.**

PREREQUISITES:

An applicant must be employed as an inspector, administering Part VII of the Environmental Protection Act 1971.

PASSING GRADE:

70 percent

COURSE DESCRIPTIONCONTROL OF INDUSTRIAL WASTES IN MUNICIPALITIES**PURPOSE:**

The five-day course on the Control of Industrial Wastes in Municipalities is designed to train municipal industrial waste control personnel, to assist managers in developing control programs, and increase on the job efficiency of inspectors. The roles of those involved in the municipal control program are outlined.

SCOPE:

The course covers the following topics:

- A. *GENERAL CHARACTERISTICS AND PROBLEMS OF INDUSTRIAL WASTES*
- B. *GENERAL METHODS OF TREATMENT OF INDUSTRIAL WASTES*
- C. *DETAILS ON PROCESSES, WASTES PRODUCED AND METHODS OF TREATMENT FOR SPECIFIC INDUSTRIAL CLASSIFICATIONS*
- D. *CONDUCT OF INDUSTRIAL WASTES, SURVEYS AND INSPECTIONS*
- E. *CONTINGENCY PLANNING FOR MUNICIPALITIES*
- F. *FLOW MEASUREMENT AND SAMPLING*
- G. *OUTLINE OF THE MUNICIPAL INDUSTRIAL WASTES CONTROL PROGRAM*

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend the course, an applicant should familiarize himself with:

- a. the problems in his municipalities in relation to the disposal of industrial wastes
- b. the control program organization
- c. the local sewer use by-law

PREREQUISITES:

None

PASSING GRADE:

55 percent

COURSE DESCRIPTIONBASIC WATER/SEWAGE TREATMENT OPERATION COURSE**PURPOSE:**

This five-day course is designed to increase the knowledge of regional inspection staff involved in the inspection of Water and Sewage Treatment plants. It is a condensation of subjects included in the two five-day operator orientated courses, attached as appendices 2 and 3.

SCOPE:

The course covers the following topics:

- A. WATER QUALITY OBJECTIVES
- B. GROUND WATER SUPPLIES
- C. COAGULATION, FLOCCULATION, SEDIMENTATION AND FILTRATION
- D. CARE, MAINTENANCE AND OPERATION OF WATER DISTRIBUTION SYSTEMS
- E. SEWAGE CHARACTERISTICS
- F. BASIC CONSIDERATIONS IN ACTIVATED SLUDGE PROCESS AND VARIATIONS
- G. DIGESTION OF SLUDGE
- H. SLUDGE HANDLING
- I. INDUSTRIAL WASTES
- J. WATER & SEWAGE BACTERIOLOGY
- K. CHLORINATION OF WATER & SEWAGE
- L. PLANT SAFETY

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this course an applicant should familiarize himself with the operations dealt with on the course by thoroughly reviewing both the Basic Water Treatment Operation and Basic Sewage Treatment Operation manuals.

PREREQUISITES:

This course is limited to employees of the Ministry of the Environment.

PASSING GRADE:

70 percent

COURSE DESCRIPTIONSOILS COURSE**PURPOSE:**

This five-day course, conducted by a Community College for Ministry of the Environment Staff, is designed to increase on the job efficiency of inspectors of private sewage systems installations. It emphasizes soil characteristics, field and laboratory sampling techniques and the interpretation of test results in relation to the significance of soil in subsurface sewage disposal.

SCOPE:

The course covers the following topics:

- A. *SOILS IDENTIFICATION AND CLASSIFICATION*
- B. *WATER IN SOIL*
- C. *FIELD SAMPLING AND SAMPLING PROCEDURES*
- D. *LABORATORY TESTING AND REPORTING*
- E. *INTERPRETATION OF TEST RESULTS*

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this course, an applicant should review field identification and description of soils and soil sampling in the field.

PREREQUISITES:

An applicant must be a Ministry of the Environment Inspector employed in the assessment of proposals to install private sewage systems.

PASSING GRADE:

A trainee must obtain 60% in tests administered by the community college.

COURSE DESCRIPTION
WASTE DISPOSAL SITE SEMINAR

PURPOSE:

Two-day Waste Disposal Site Seminars are held to increase on the job efficiency of municipal and private site operators, and Ministry of the Environment Inspectors. The seminar for the operators outlines suitable waste disposal practices and standards, operating procedures and applicable legislation. Environmental protection and public relations as paramount concern of the operation are emphasized. Seminars for inspectors emphasize inspection procedure and forms related to land use assessment and operation of waste disposal sites.

SCOPE:

The seminar includes the presentation and discussion of papers on the following topics:

- A. ACT AND REGULATIONS - THE AIMS AND NEEDS
- B. TERMINOLOGY AND DEFINITIONS
- C. SITE OPERATION: CRITERIA, TYPE, EQUIPMENT, COSTING
- D. LEACHATE AND GAS CONTROL
- E. PROCEDURE FOR CLOSING SITES
- F. INSPECTION AND PROCEDURE FORMS
- G. SPECIAL PROCEDURES FOR DISPOSAL OF PROBLEM MATERIAL
- H. AIDS FOR WINTER OPERATIONS

PRE-COURSE

FAMILIARIZATION:

When preparing to attend this seminar the applicant should review the Act and Regulations pertaining to waste disposal sites and familiarize himself with the subject matter to be covered on the seminar

PREREQUISITE:

Those attending should have direct operational responsibilities for waste disposal sites or be government employees having responsibility for the inspection of waste disposal sites.

PASSING GRADE:

Not applicable

COURSE DESCRIPTIONICE SHELTER INSPECTION SEMINAR**PURPOSE:**

The three-day seminar is designed to acquaint provincial officers with the regulations under The Environmental Protection Act 1971, which provide for control of pollution of the natural environment by owners or users of ice shelters. It also reviews the related functions of the Ministry of Natural Resources and suggests areas where co-operative efforts would assist in public relations and pollution control.

SCOPE:

The seminar includes a field trip to the site of an ice shelter operation as well as the presentation and discussion of papers on the following topics:

- A. *THE ENVIRONMENTAL PROTECTION ACT 1971 WITH EMPHASIS ON PART IV.*
- B. *REGULATIONS APPLICABLE TO ICE SHELTERS*
- C. *FORMS AND PROCEDURES*
- D. *PUBLIC RELATIONS*
- E. *RELATIONSHIP AND COOPERATION WITH THE MINISTRY OF NATURAL RESOURCES.*

PRE-COURSE**FAMILIARIZATION:**

When preparing to attend this seminar an applicant should:

- a. Review the appropriate Acts and Regulations
- b. Familiarize himself with the subject matter

PREREQUISITE:

Those attending the seminar should be provincial officers responsible for functions related to the Ice Shelter Program of the Ministry of the Environment.

PASSING GRADE:

Not applicable

COURSE DESCRIPTIONBOATING AND MARINA INSPECTION SEMINAR**PURPOSE:**

The two-day seminar is conducted to review procedures for inspection of boats equipped with toilet facilities and sewage retention systems and to familiarize staff with procedures regarding the enforcement of the Boating and Marina regulations.

SCOPE:

The seminar includes a field trip to marinas and boat pumpout stations as well as presentation and discussion of the following topics:

- A. REGULATION 229/74 SEWAGE SYSTEMS
- B. REGULATION 644 PLEASURE BOATING
- C. REGULATION 646 MARINAS
- D. SUMMARY CONVICTION PROCEDURES
- E. INSPECTION PROCEDURES AND FORMS
- F. PUBLIC RELATIONS

PRE-COURSE**FAMILIARIZATION:**

Personnel attending the seminar should review the appropriate regulations.

PREREQUISITES:

Those attending the seminar should be provincial officers responsible for functions related to the inspection of boats and marinas.

PASSING GRADE:

Not applicable

COURSE DESCRIPTIONCONTINGENCY PLANNING SEMINAR**PURPOSE:**

This three-day seminar is designed to familiarize the Ministry of the Environment and municipal industrial waste control personnel with the Province of Ontario Contingency plan for spills of oil and other hazardous materials and to train staff in basic countermeasure techniques. The role of other government agencies in dealing with spills is also reviewed.

SCOPE:

The seminar includes a one-day oil spill clean-up training exercise as well as presentations and discussions of the following topics:

- A. *LEGISLATION PERTAINING TO SPILLS OF DELETERIOUS SUBSTANCES*
- B. *THE OBJECTIVES AND SCOPE OF THE PROVINCE OF ONTARIO CONTINGENCY PLAN*
- C. *THE ROLE OF INDUSTRY, MUNICIPALITIES, OTHER PROVINCIAL AGENCIES AND FEDERAL DEPARTMENTS IN SPILL INCIDENTS*
- D. *RECOMMENDED PROCEDURES FOR DEALING WITH SPILL INCIDENTS FROM THE VIEWPOINT OF REGULATORY AGENCIES AND INDUSTRY.*
- E. *REPORTING PROCEDURES AND DATA FLOW*
- F. *SAFETY*
- G. *PUBLIC RELATIONS*

PRE-COURSE**FAMILIARIZATION:**

Personnel attending this seminar should be familiar with the Ontario Water Resources and the Environmental Protection acts, and should have participated in the countermeasures activities of, or at least seen, a spill of a deleterious substance.

PREREQUISITES:

Those attending the seminar should be employed in the private or public sector where at least part of the job function is dealing with spill incidents or related emergency situations.

PASSING GRADE:

Not applicable

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